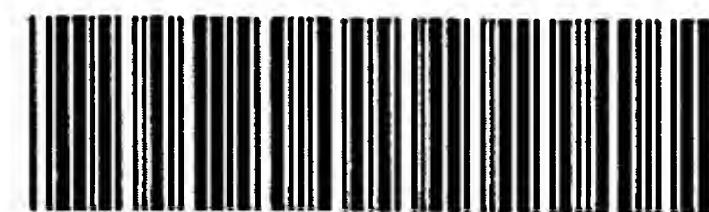


RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/591,186
Source: 1 FWP
Date Processed by STIC: 9/12/06

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 09/12/2006

PATENT APPLICATION: US/10/591,186

TIME: 11:30:30

Input Set : A:\HIRA3010 Sequence listing.txt

Output Set: N:\CRF4\09122006\J591186.raw

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3 <110> APPLICANT: Hirasawa, Akira
4      Tsujimoto, Gozo
6 <120> TITLE OF INVENTION: Pharmaceutical Composition For Lowering Blood Sugar Level
8 <130> FILE REFERENCE: HIRA3010/REF
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/591,186
C--> 10 <141> CURRENT FILING DATE: 2006-08-30
10 <150> PRIOR APPLICATION NUMBER: JP2004056452
11 <151> PRIOR FILING DATE: 2004-03-01
13 <150> PRIOR APPLICATION NUMBER: JP2004240607
14 <151> PRIOR FILING DATE: 2004-08-20
16 <160> NUMBER OF SEQ ID NOS: 7
18 <170> SOFTWARE: PatentIn version 3.1
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 377
22 <212> TYPE: PRT
23 <213> ORGANISM: Homo sapiens
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31 Leu Glu Gln Ala Asn Arg Thr Arg Phe Pro Phe Phe Ser Asp Val Lys
32          20          25          30
35 Gly Asp His Arg Leu Val Leu Ala Ala Val Glu Thr Thr Val Leu Val
36          35          40          45
39 Leu Ile Phe Ala Val Ser Leu Leu Gly Asn Val Cys Ala Leu Val Leu
40          50          55          60
43 Val Ala Arg Arg Arg Arg Arg Gly Ala Thr Ala Cys Leu Val Leu Asn
44 65          70          75          80
47 Leu Phe Cys Ala Asp Leu Leu Phe Ile Ser Ala Ile Pro Leu Val Leu
48          85          90          95
51 Ala Val Arg Trp Thr Glu Ala Trp Leu Leu Gly Pro Val Ala Cys His
52          100          105          110
55 Leu Leu Phe Tyr Val Met Thr Leu Ser Gly Ser Val Thr Ile Leu Thr
56          115          120          125
59 Leu Ala Ala Val Ser Leu Glu Arg Met Val Cys Ile Val His Leu Gln
60          130          135          140
63 Arg Gly Val Arg Gly Pro Gly Arg Arg Ala Arg Ala Val Leu Leu Ala
64 145          150          155          160
67 Leu Ile Trp Gly Tyr Ser Ala Val Ala Ala Leu Pro Leu Cys Val Phe
68          165          170          175
71 Phe Arg Val Val Pro Gln Arg Leu Pro Gly Ala Asp Gln Glu Ile Ser
72          180          185          190
75 Ile Cys Thr Leu Ile Trp Pro Thr Ile Pro Gly Glu Ile Ser Trp Asp
76          195          200          205

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DATE: 09/12/2006

PATENT APPLICATION: US/10/591,186

TIME: 11:30:30

Input Set : A:\HIRA3010 Sequence listing.txt

Output Set: N:\CRF4\09122006\J591186.raw

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79 Val Ser Phe Val Thr Leu Asn Phe Leu Val Pro Gly Leu Val Ile Val
80      210      215      220
83 Ile Ser Tyr Ser Lys Ile Leu Gln Thr Ser Glu His Leu Leu Asp Ala
84 225      230      235      240
87 Arg Ala Val Val Thr His Ser Glu Ile Thr Lys Ala Ser Arg Lys Arg
88      245      250      255
91 Leu Thr Val Ser Leu Ala Tyr Ser Glu Ser His Gln Ile Arg Val Ser
92      260      265      270
95 Gln Gln Asp Phe Arg Leu Phe Arg Thr Leu Phe Leu Leu Met Val Ser
96      275      280      285
99 Phe Phe Ile Met Trp Ser Pro Ile Ile Ile Thr Ile Leu Leu Ile Leu
100     290      295      300
103 Ile Gln Asn Phe Lys Gln Asp Leu Val Ile Trp Pro Ser Leu Phe Phe
104 305      310      315      320
107 Trp Val Val Ala Phe Thr Phe Ala Asn Ser Ala Leu Asn Pro Ile Leu
108      325      330      335
111 Tyr Asn Met Thr Leu Cys Arg Asn Glu Trp Lys Lys Ile Phe Cys Cys
112      340      345      350
115 Phe Trp Phe Pro Glu Lys Gly Ala Ile Leu Thr Asp Thr Ser Val Lys
116      355      360      365
119 Arg Asn Asp Leu Ser Ile Ile Ser Gly
120     370      375
123 <210> SEQ ID NO: 2
124 <211> LENGTH: 361
125 <212> TYPE: PRT
126 <213> ORGANISM: Mus musculus
128 <400> SEQUENCE: 2
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131 1      5      10      15
134 Leu Asp Gln Val Asn Arg Thr His Phe Pro Phe Phe Ser Asp Val Lys
135      20      25      30
138 Gly Asp His Arg Leu Val Leu Ser Val Val Glu Thr Thr Val Leu Gly
139      35      40      45
142 Leu Ile Phe Val Val Ser Leu Leu Gly Asn Val Cys Ala Leu Val Leu
143     50      55      60
146 Val Ala Arg Arg Arg Arg Arg Gly Ala Thr Ala Ser Leu Val Leu Asn
147 65      70      75      80
150 Leu Phe Cys Ala Asp Leu Leu Phe Thr Ser Ala Ile Pro Leu Val Leu
151      85      90      95
154 Val Val Arg Trp Thr Glu Ala Trp Leu Leu Gly Pro Val Val Cys His
155     100     105     110
158 Leu Leu Phe Tyr Val Met Thr Met Ser Gly Ser Val Thr Ile Leu Thr
159     115     120     125
162 Leu Ala Ala Val Ser Leu Glu Arg Met Val Cys Ile Val Arg Leu Arg
163     130     135     140
166 Arg Gly Leu Ser Gly Pro Gly Arg Arg Thr Gln Ala Ala Leu Leu Ala
167 145     150     155     160
170 Phe Ile Trp Gly Tyr Ser Ala Leu Ala Ala Leu Pro Leu Cys Ile Leu
171      165      170      175

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RAW SEQUENCE LISTING

DATE: 09/12/2006

PATENT APPLICATION: US/10/591,186

TIME: 11:30:30

Input Set : A:\HIRA3010 Sequence listing.txt

Output Set: N:\CRF4\09122006\J591186.raw

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174 Phe Arg Val Val Pro Gln Arg Leu Pro Gly Gly Asp Gln Glu Ile Pro
175                               180                               185                               190
178 Ile Cys Thr Leu Asp Trp Pro Asn Arg Ile Gly Glu Ile Ser Trp Asp
179                               195                               200                               205
182 Val Phe Phe Val Thr Leu Asn Phe Leu Val Pro Gly Leu Val Ile Val
183                               210                               215                               220
186 Ile Ser Tyr Ser Lys Ile Leu Gln Ile Thr Lys Ala Ser Arg Lys Arg
187 225                               230                               235                               240
190 Leu Thr Leu Ser Leu Ala Tyr Ser Glu Ser His Gln Ile Arg Val Ser
191                               245                               250                               255
194 Gln Gln Asp Tyr Arg Leu Phe Arg Thr Leu Phe Leu Leu Met Val Ser
195                               260                               265                               270
198 Phe Phe Ile Met Trp Ser Pro Ile Ile Ile Thr Ile Leu Leu Ile Leu
199                               275                               280                               285
202 Ile Gln Asn Phe Arg Gln Asp Leu Val Ile Trp Pro Ser Leu Phe Phe
203                               290                               295                               300
206 Trp Val Val Ala Phe Thr Phe Ala Asn Ser Ala Leu Asn Pro Ile Leu
207 305                               310                               315                               320
210 Tyr Asn Met Ser Leu Phe Arg Asn Glu Trp Arg Lys Ile Phe Cys Cys
211                               325                               330                               335
214 Phe Phe Phe Pro Glu Lys Gly Ala Ile Phe Thr Asp Thr Ser Val Arg
215                               340                               345                               350
218 Arg Asn Asp Leu Ser Val Ile Ser Ser
219                               355                               360
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224 <212> TYPE: DNA
225 <213> ORGANISM: Artificial Sequence
227 <220> FEATURE:
228 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic DNA
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231 atgtcccctg aatgcgcgcg gg                                     22
234 <210> SEQ ID NO: 4
235 <211> LENGTH: 22
236 <212> TYPE: DNA
237 <213> ORGANISM: Artificial Sequence
239 <220> FEATURE:
240 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic DNA
242 <400> SEQUENCE: 4
243 gccagaaata atcgacaagt ca                                     22
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247 <211> LENGTH: 23
248 <212> TYPE: DNA
249 <213> ORGANISM: Artificial Sequence
251 <220> FEATURE:
252 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic DNA
254 <400> SEQUENCE: 5
255 cgcacccgct ttcccttctt ctc                                     23
258 <210> SEQ ID NO: 6

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RAW SEQUENCE LISTING

DATE: 09/12/2006

PATENT APPLICATION: US/10/591,186

TIME: 11:30:30

Input Set : A:\HIRA3010 Sequence listing.txt

Output Set: N:\CRF4\09122006\J591186.raw

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260 <212> TYPE: DNA
261 <213> ORGANISM: Artificial Sequence
263 <220> FEATURE:
264 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic DNA
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270 <210> SEQ ID NO: 7
271 <211> LENGTH: 1389
272 <212> TYPE: DNA
273 <213> ORGANISM: Mus musculus
275 <400> SEQUENCE: 7
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278 tgcacagacg acggggccctg gcccctcgca caccctggac caagtcaatc gcacccactt 120
280 ccctttcttc tcggatgtca agggcgacca ccggttggtg ttgagcgtcg tggagaccac 180
282 cgttctgggg ctcatctttg tcgtctcact gctgggcaac gtgtgtgctc tagtgctggg 240
284 ggcgcgccgt cggcgccgtg gggcgacagc cagcctgggtg ctcaacctct tctgcgcgga 300
286 tttgctcttc accagcgcca tccctctagt gctcgtcgtg cgctggactg aggctgggt 360
288 gttggggccc gtcgtctgcc acctgctctt ctacgtgatg acaatgagcg gcagcgtcac 420
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292 cggcttgagc ggcccggggc ggcggactca ggcggcactg ctggctttca tatgggggta 540
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296 cggcggggac caggaaattc cgatttgac attggattgg cccaaccgca taggagaaat 660
298 ctcatgggat gtgttttttg tgactttgaa cttcctgggtg ccgggactgg tcattgtgat 720
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302 ggcatactct gagagccacc agatccgagt gtcccaacaa gactaccgac tcttccgcac 840
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318 taaggaatga tcgctcagta taaaaatatt tttccttaaa agaactttct atgggttcct 1320
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VERIFICATION SUMMARY

DATE: 09/12/2006

PATENT APPLICATION: US/10/591,186

TIME: 11:30:31

Input Set : A:\HIRA3010 Sequence listing.txt

Output Set: N:\CRF4\09122006\J591186.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date